

**MULTI-INTERFACE DATA ACQUISITION SYSTEM AND METHOD THEREOF**

**ABSTRACT**

A system and method for interfacing a data acquisition device to a host device via a  
5 plurality of interfaces are provided. The present invention is enabled by a multi-interface controller which enables the data acquisition device to interface to a plurality of host devices having different interfaces e.g., RS232, USB, keyboard wedge, IBM4683, wand emulation, synapse, undecoded, etc. The interface controller comprises a microcomputer for translating received data from the data acquisition device and outputting a host device type signal; and a  
10 switching circuit for electrically coupling the microcomputer to the at least one host device based on the host device type signal and transmitting the received data to the host device.